```
L47         1944 SEA MIYAUCHI S?/AU
L48        33397 SEA SAITO M?/AU
L49            1 SEA L44 AND L45 AND L46 AND L47 AND L48
L50          178 SEA (L44 AND (L45 OR L46 OR L47 OR L48)) OR (L45 AND (L46 OR
                   L47 OR L48)) OR (L46 AND (L47 OR L48)) OR (L47 AND L48)
L51           98 DUP REM L50 (80 DUPLICATES REMOVED)
L52            3 SEA L51 AND (BETA(2A) AMYLOID?)
L53           52 SEA (L44 OR L45 OR L46 OR L47 OR L48) AND (BETA(2A) AMYLOID?)
L54           23 DUP REM L53 (29 DUPLICATES REMOVED)
L55           24 SEA (L49 OR L52 OR L54)

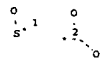

=> d que l56
L3             1 SEA FILE=HCAPLUS ABB=ON  PLU=ON  US2004-500156/AP
L6               STR

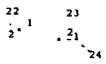
* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY -  AVAILABLE VIA OFFLINE PRINT *

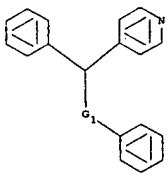
Structure attributes must be viewed using STN Express query preparation.
L8           232 SEA FILE=REGISTRY SSS FUL L6
L9            19 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L8
L10           19 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L9 OR L3)
L11           17 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L8 (L)(PROC OR PREP OR
                   RACT)/RL
L12            4 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L8 (L)(THU OR PKT OR PAC OR
                   BAC OR DMA)/RL
L13        24506 SEA FILE=HCAPLUS ABB=ON  PLU=ON  "ALZHEIMER'S DISEASE"+OLD/CT
L14        42816 SEA FILE=HCAPLUS ABB=ON  PLU=ON  ALZHEIMER?
L15            2 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L9 AND (L13 OR L14)
L16           19 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L9 OR L10 OR L11 OR L12 OR
                   L15)
L33           15 SEA FILE=HCAPLUS ABB=ON  PLU=ON  ("YASUKOUCHI T"/AU OR
                   "YASUKOUCHI TAKANORI"/AU)
L34         1365 SEA FILE=HCAPLUS ABB=ON  PLU=ON  ("ITO M"/AU OR "ITO M B"/AU
                   OR "ITO M F"/AU OR "ITO M M"/AU OR "ITO MASAYUKI"/AU)
L35          285 SEA FILE=HCAPLUS ABB=ON  PLU=ON  ("KUBOTA H"/AU OR "KUBOTA H
                   G"/AU OR "KUBOTA H Y"/AU OR "KUBOTA HIDEKI"/AU)
L36           52 SEA FILE=HCAPLUS ABB=ON  PLU=ON  ("MIYAUCHI S"/AU OR "MIYAUCHI
                   SATORU"/AU)
L37         1040 SEA FILE=HCAPLUS ABB=ON  PLU=ON  ("SAITO M"/AU OR "SAITO M
                   A"/AU OR "SAITO M AKOTO"/AU OR "SAITO M E"/AU OR "SAITO M
                   GIITI"/AU OR "SAITO M H"/AU OR "SAITO M I"/AU OR "SAITO M
                   L"/AU OR "SAITO M T"/AU OR "SAITO MASANORI"/AU)
L39           11 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L33 AND (L34 OR L35 OR L36
                   OR L37)) OR (L34 AND (L35 OR L36 OR L37)) OR (L35 AND (L36 OR
                   L37)) OR (L36 AND L37)
L40           11 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L39 OR L3)
L41            5 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L33 OR L34 OR L35 OR L36 OR
                   L37) AND (BETA(2A)AMYLOID?)
L42           13 SEA FILE=HCAPLUS ABB=ON  PLU=ON  (L39 OR L40 OR L41)
L56           11 SEA FILE=HCAPLUS ABB=ON  PLU=ON  L42 NOT L16

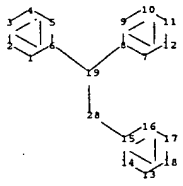

=> dup rem l55,l56
FILE 'HCAPLUS' ENTERED AT 16:02:07 ON 04 JAN 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Uploading l6.str









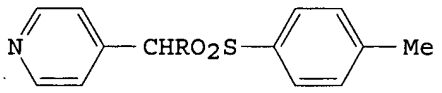
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19 20 21 22 23 24 28
ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
chain bonds :
6-19 8-19 15-28 19-28 20-22 21-23 21-24
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18
14-15
15-16 16-17 17-18
exact/norm bonds :
15-28 19-28 20-22 21-23 21-24
exact bonds :
6-19 8-19
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12 13-14 13-18
14-15
15-16 16-17 17-18

G1:S,N,[*1],[*2]

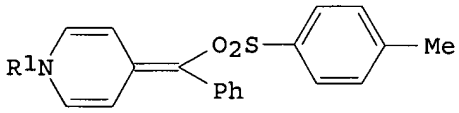
Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:Atom 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:CLASS
20:CLASS 21:CLASS
22:CLASS 23:CLASS 24:CLASS 28:CLASS

=> d que l55
L44 169 SEA YASUKOUCHI T?/AU
L45 43708 SEA ITO M?/AU
L46 7285 SEA KUBOTA H?/AU

L10 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1989:74541 CAPLUS
DOCUMENT NUMBER: 110:74541
TITLE: Remote controlled nucleophilicity of anions of some 4-alkylpyridines: AM1- and MNDO-calculations, experimental tests
AUTHOR(S): Anders, Ernst; Korn, Uwe; Stankowiak, Achim
CORPORATE SOURCE: Inst. Org. Chem., Univ. Erlangen-Nuernberg, Erlangen, D-8520, Fed. Rep. Ger.
SOURCE: Chemische Berichte (1989), 122(1), 105-11
CODEN: CHBEAM; ISSN: 0009-2940
DOCUMENT TYPE: Journal
LANGUAGE: German
OTHER SOURCE(S): CASREACT 110:74541
GI



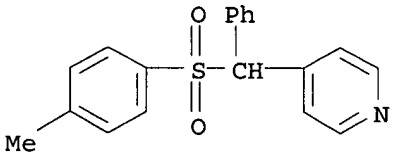
I



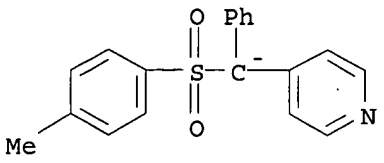
II

AB Pyridine derivs. I (R = Ph, C6H4NO2-4, tosyl) were converted to Na salts with NaN(SiMe3)2, and the salts reacted with electrophiles to give dihydropyridines, e.g., II (R1 = cinnamoyl, Me3Si). Explanations of this behavior were provided by MO calcns. on model compds.

IT 87732-48-7
RL: PROC (Process)
(conversion of, to sodium salt and reaction with electrophiles)
RN 87732-48-7 CAPLUS
CN Pyridine, 4-[[(4-methylphenyl)sulfonyl]phenylmethyl]- (9CI) (CA INDEX NAME)

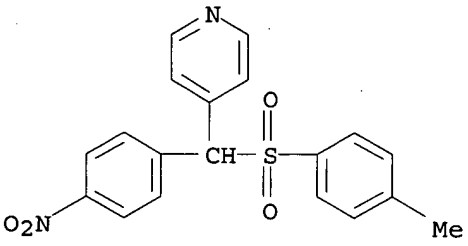


IT 116665-03-3P
RL: PREP (Preparation)
(formation and reaction with electrophiles)
RN 116665-03-3 CAPLUS
CN Pyridine, 4-[[(4-methylphenyl)sulfonyl]phenylmethyl]-, ion(1-), sodium (9CI) (CA INDEX NAME)

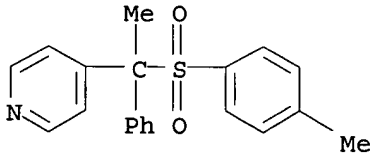




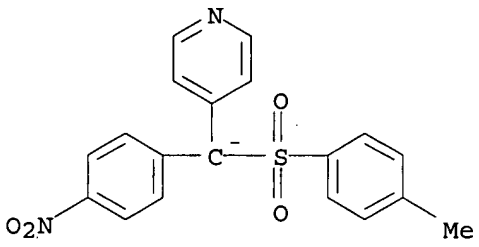
IT 116665-01-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and conversion to sodium salt)
RN 116665-01-1 CAPLUS
CN Pyridine, 4-[[(4-methylphenyl)sulfonyl](4-nitrophenyl)methyl]- (9CI) (CA INDEX NAME)



IT 116665-09-9P 116665-10-2P 116665-12-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 116665-09-9 CAPLUS
CN Pyridine, 4-[1-[(4-methylphenyl)sulfonyl]-1-phenylethyl]- (9CI) (CA INDEX NAME)

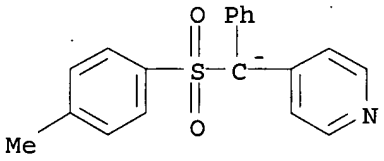


RN 116665-10-2 CAPLUS
CN Pyridine, 4-[[(4-methylphenyl)sulfonyl](4-nitrophenyl)methyl]-, ion(1-), sodium (9CI) (CA INDEX NAME)



● Na^+

RN 116665-12-4 CAPLUS
CN Pyridine, 4-[[(4-methylphenyl)sulfonyl]phenylmethyl]-, ion(1-), lithium (9CI) (CA INDEX NAME)



● Li^+

L11 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1974:14814 CAPLUS
DOCUMENT NUMBER: 80:14814
TITLE: Reaction of 4-substituted pyridines with sulfenyl chlorides
AUTHOR(S): Traynelis, Vincent J.; Rieck, James N.
CORPORATE SOURCE: Dep. Chem., West Virginia Univ., Morgantown, WV, USA
SOURCE: Journal of Organic Chemistry (1973), 38(25), 4334-9
CODEN: JOCEAH; ISSN: 0022-3263
DOCUMENT TYPE: Journal
LANGUAGE: English

AB The reaction of 4-alkylpyridines with two substituents on the side-chain α carbon and arylsulfenyl chlorides gave α,α-disubstituted-4-pyridylmethyl aryl sulfides in 48-95% yield. When trichloromethanesulfenyl chloride and 4-benzhydryl- or 4-isopropylpyridine reacted, diphenyl-4-pyridylmethyl or 2-(4-pyridyl)-2-propyl chloride were formed in 99 and 95% yield, resp., while reaction of these 4-alkylpyridines with sulfur monochloride gave diphenyl-4-pyridylmethyl disulfide (.apprx.66%) or 2-(4-pyridyl)-2-propyl disulfide (82%). Analogous 3-alkyl- and 2-alkylpyridines failed to react with any of the above sulfenyl chlorides. A proposed rationalization of these reaction products entails formation of thiopyridinium ions and follows a pathway similar to the rearrangement of 4-alkylpyridine N-oxides and acid anhydrides.

IT 42362-48-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 42362-48-1 CAPLUS
CN Pyridine, 4-[1-[(2,4-dinitrophenyl)thio]-1-phenylethyl]- (9CI) (CA INDEX NAME)

